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(54) Title: A FIRE RETARDANT AND A METHOD FOR PRODUCTION THEREOF

(57) Abstract: A fire retardant composition and a method of producing thereof. The composition comprising water, a highly concentrated alkali, at least one of or a combination thereof, of anhydrous citric acid, citric acid, acetic acid or a related salt thereto. The composition also includes phosphate as well as an alkali metal salt or compound from at least one of lithium, sodium and/or potassium cation in combination with at least one of an acetate, bicarbonate, carbonate and/or hydroxide anion. The composition is then adjusted to a pH value around 6.5 % to 7.5 % by adjusting the amounts of highly concentrated alkali and/or the citric acid/acetic acid respectively.



WO 2004/015026 A1